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(71) Applicant (for all designated States except US): **ARENA PHARMACEUTICALS, INC.** [US/US]; 6166 Nancy Ridge Drive, San Diego, CA 92121-3223 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HUNG, Gene** [US/US]; 8563 Galway Place, San Diego, CA 92129 (US). **ORTUNO, Daniel** [US/US]; 1949 Vineyard Avenue, Vista, California 92081 (US). **UNETT, David** [GB/US]; 11422 Cypress Terrace Place, San Diego, California 92131 (US). **GATLIN, Joel** [US/US]; 9324 Hillery Drive, Apt. 5205, San Diego, CA 92126 (US).

(74) Agents: **DIALYNAS, Deno et al.**; Arena Pharmaceuticals, Inc., 6166 Nancy Ridge Drive, San Diego, California 92121-3223 (US).

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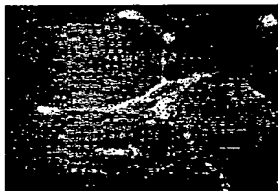
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(54) Title: METHODS FOR PRODUCING OLFACTORY GPCRS

OR1



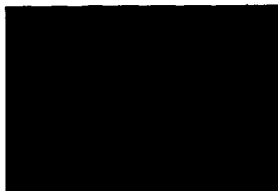
OR3



OR2



vector



Expression Analysis of Transiently Transfected
Olfactory GPCRs in Rat Schwann Cells by HA Staining

(57) Abstract: The subject invention provides a method for producing an olfactory GPCR in a cell. In general, the methods involve introducing an expression cassette containing a promoter operably linked to a nucleic acid encoding an olfactory PCR into a macroglial cell, e.g., a Schwann or oligodendritic cell, and maintaining the cell under conditions suitable for production of the olfactory GPCR. Also provided is a macroglial cell containing a recombinant nucleic acid encoding an olfactory GPCR, methods of screening for modulators of olfactory GPCR activity, and a kit for producing an olfactory GPCR in a macroglial cell. The invention finds most use in research on flavors and fragrances, and, consequently, has a variety of research and industrial applications.

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